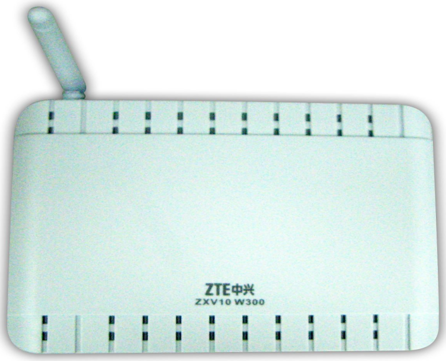
ZXV10 W300 Residential Gateway
DATA, VOICE AND VIDEO SERVICES

Specifically designed for residential and SOHO markets, ZXV10 W300 allows users to share ADSL access from their PCs or STBs through Ethernet or 802.11g/b wireless interface. For high-speed Internet and IPTV service, it provides ATM QoS and IP QoS to meet different requirements. It also provides secure wireless encryption modes and powerful SPI firewall to protect network security. It supports remote network management through TR-069, SNMP, CLI and Web GUI.



Physical interfaces

- Uplink interface
  - ADSL/ADSL2/ADSL2+ : 1* RJ11 port
- Downlink interface
  - Ethernet: 4* RJ45 ports, 10/100Mbps
  - IEEE 802.11b/g compliant WiFi

ADSL standards

- Multi-mode
- ANSI T1.413 Issue 2
- ITU G.992.1 (G.dmt)
- ITU G.992.2 (G.lite)
- ITU G.992.3
- ITU G.992.4
- ITU G.992.5 Annex A/L/M
- ITU G.994.1 (G.hs)
- Fast path and Interleave path

WAN Connection

- Maximum 8 PVCs supported;
- PVC Auto-configuration ;
- Support multiple sessions based on Single or Multiple PVC
- Support PPPoE, PPPoA, Static, DHCP, Bridge connection
- Support 802.1Q VLAN tagging and 802.1P priority marking;
- Support RFC 2684 LLC/SNAP and VC encapsulation

Ethernet port features

- Support 10Base-T, 100Base-TX and have Auto MDI / MDI-X, Auto rate
- Support PVC binding with port

WiFi features

- Operation Frequency :2.4GHz
- Manual/auto selection WiFi mode
  - 802.11b only, mixed, 802.11g only
- Security
  - 64/128bit WEP encryption
  - WPA-PSK
  - WPA2-PSK
- Support ESSID hidden
- Support multiple ESSIDs
- Support WMM;
- Operating Channels:11 (US), 13 (Europe)
- IEEE 802.11i

Security policy

- Support PVC-based and MAC-based packet filtering;
- Support PVC isolation;

- Support IP filtering;
- Support NAT/NAPT, NAT ALG, and Port Forwarding;
- Support built-in SPI firewall, anti-DoS attack
- Support L2TP, PPTP, and IPsec VPN passthrough;
- Support URL filtering
- Support NAT and firewall enabling/disabling;

QoS policy

- ATM QoS: CBR, UBR, nrt-VBR, and rt-VBR;
- IP QoS:
  - stream classification and priority marking based on physical port, source MAC,802.1P priority, source/destination IP address, source/destination port, protocol type, and WLAN WMM;
  - Support stream priority remarking;
  - Support traffic shaping; strict-priority

Bridge, route characteristics

- Support IEEE 802.1d transparent bridging;
- Support 256 MAC address entries ;
- Support ARP, ICMP, Ipv4, TCP, UDP,FTP, TFTP, and HTTP;
- Support static routes;
- Support RIP V1/V2;
- Support policy based routing;
- Support DHCP Server/Client/Relay;
- Support IGMP Snooping, IGMP Proxy;
- Support DNS Proxy;
- Support DDNS;
- Support UpnP IGD;
- Support SNTP client;

Management and diagnosis

- Support TR-069;
- Support SNMP V1/V2;
- Support Web-based GUI;
- Support CLI;
- Support Telnet management;
- Support TFTP FTP HTTP firmware upgrade;
- Support TFTP HTTP configuration file upload and download;
- factory setting reset;
- Support system log;
- Support F4/F5 SEG, ETE OAM

Technical indices

- Physical specification
  - Dimensions:164m×127mm×33mm (length × width × height)
  - Weight:260g
- Electrical specification
  - Power consumption:6W
  - AC-DC power adaptor:
    Input:100~240V 50/60Hz .3Amax
    Output:DC 12V±5% 700mA
- Environmental requirements
  - Working temperature: 0°C to +40°C
  - Storage temperature: -20°C to +60°C
  - Working humidity: 30% to 90%
  - Storage humidity: 10% to 93%
- Reliability
  - Mean time between failure (MTBF)>60000 hours
  - Mean time to repair (MTTR)<30 minutes

